

**PERSONAL COMPUTER AUDIO INTERFACE DEVICE AND METHOD OF USING
THE SAME**

ABSTRACT

5 An interface system for interconnecting a personal computer to audio input ports of a
home stereo system. An illustrative embodiment of the invention comprises impedance
transformers for improving the impedance match between an audio output port of the PC and the
higher impedance audio input ports of the stereo system. An elongated low voltage, low
impedance cable has coupling devices at each end, the coupling devices being dimensioned and
10 arranged to establish respective signal paths through the cable by electrically interconnecting the
audio output port and the corresponding low impedance windings of the first and second
impedance transformers. The illustrative interface system further includes additional coupling
devices dimensioned and arranged to accommodate electrical connections between
corresponding high impedance windings of the first and second impedance transformers and the
15 first and second audio input ports of the home stereo system.